

Promoting Undergraduate Research in Mathematics Program

September 28-30, 2006

The Westin O'Hare Hotel, Rosemont, Illinois

Program

Thursday, September 28, 2006	
4:00 - 6:00 pm	Conference check-in
5:00 - 6:00 pm	Reception
6:00 - 6:30 pm	Welcome: John Ewing, AMS Jim Schatz, NSA
6:30 - 7:30 pm	Dinner
7:30 - 8:30 pm	Opening address: Joe Gallian, University of Minnesota-Duluth Aparna Higgins, University of Dayton

Friday, September 29, 2006	
7:30 - 8:30 am	Breakfast
8:30 - 9:45 am	Panel: <i>The Spectrum of Undergraduate Research Programs</i> Moderator: Robert Megginson, University of Michigan Peter May, University of Chicago Zsuzsanna Szaniszló, Valparaiso University Erika Camacho, Loyola Marymount University Suzanne Weekes, Worcester Polytechnic Institute <i>Panelists will describe current forms of various undergraduate research programs: NSF-funded REUs, other summer undergraduate research programs, minority-serving programs, and academic year undergraduate research programs.</i>
9:45 - 10:30 a.m	Break

10:30 - 11:15 am	<p>Small groups: Overcoming Challenges</p> <p>Facilitators:</p> <p>Kurt Bryan, Rose-Hulman Institute of Technology Doug Faires, Youngstown State University Jim Morrow, University of Washington Tim Pennings, Hope College Judy Walker, University of Nebraska, Lincoln Stephen Wirkus, California State Polytechnic University</p> <p><i>Participants will break up into 6 small groups, each with a facilitator. In each group, participants will discuss challenges they have faced in their undergraduate research activities, and how they have overcome these challenges. For example, discussions might center on finding sources of support, how to deal with burnout or how to get recognition from departments or institutions for undergraduate research involvement. Facilitators will report back to the full group.</i></p>
11:15 - 12 noon	<p>Reports from small groups</p> <p>Moderator: Suzanne Lenhart, University of Tennessee</p>
12:00 - 1:30 pm	Lunch
1:30 - 3:00 pm	<p>Panel: Diversity issues in undergraduate research</p> <p>Moderator: Ivelisse Rubio, University of Puerto Rico-Humacao</p> <p>Ricardo Cortez, Tulane University Dennis Davenport, Miami University Herbert Medina, Loyola Marymount University Darren Narayan, Rochester Institute of Technology</p> <p><i>The panelists of this session will discuss the importance of involving minority communities in undergraduate research in mathematics in order to increase their representation in the area. They will also discuss effective recruiting techniques and successful strategies.</i></p>
3:00 - 3:45 pm	Break
3:45 - 5:15 pm	<p>Open Forum</p> <p>Moderator: Aparna Higgins, University of Dayton</p>
6:30 - 8:00 pm	Dinner

Saturday, September 30, 2006

7:30 - 8:30 am	Breakfast
8:30 - 9:45 am	<p>Panel: Assessment of Programs</p> <p>Moderator: Anant Godbole, East Tennessee State University</p> <p>Michelle Wagner, NSA Frank Connolly, University of Notre Dame Erika Camacho, Loyola Marymount University Dan Isaksen, Wayne State University</p> <p><i>Speakers will summarize information gleaned from assessments now available to determine the impact that research programs have had on students. The assessment techniques that some REUs now use will be presented.</i></p>

9:45 - 10:30 am	Break
10:30 - 12 noon.	<p>Panel: <i>Perspectives form Students</i> Moderator: Carl Cowen, Indiana University-Purdue University Indianapolis</p> <p>Paul Gibson, Northwestern University Rana Mikkelson, Iowa State University David Uminsky, Boston University Melanie Wood, Princeton University</p> <p><i>Current graduate students will describe their undergraduate research experiences and the impact these have had on their mathematical development. They will also discuss the way their time in an undergraduate research program affected their graduate experiences.</i></p>
12:00 - 1:30 pm	Lunch
1:30 - 2:20 pm	<p>Parallel sessions <i>Each participant will choose one of the following sessions when registering for the conference. Facilitators for each session will report back to the full group in the final plenary session.</i></p> <ul style="list-style-type: none"> • Uniform acceptance date • Generating research problems • Interdisciplinary research • Working with local students • Using graduate students as advisors • Helping undergraduate students into graduate school • Undergraduate biology and mathematics programs
2:30 - 3:15 pm	<p>Reports from parallel sessions Moderator: Charles Johnson, College of William and Mary</p>
3:15 - 4:00 pm	<p>Closing panel: Moderator: Barbara Deuink, NSA Frank Connolly, University of Notre Dame Joseph Gallian, University of Minnesota-Duluth Aparna Higgins, University of Dayton Ivelisse Rubio, University of Puerto Rico-Humacao</p>

Program Committee:

Frank Connolly, University of Notre Dame
Joseph Gallian, University of Minnesota–Duluth
Aparna Higgins, University of Dayton
Ivelisse Rubio, University of Puerto Rico–Humacao